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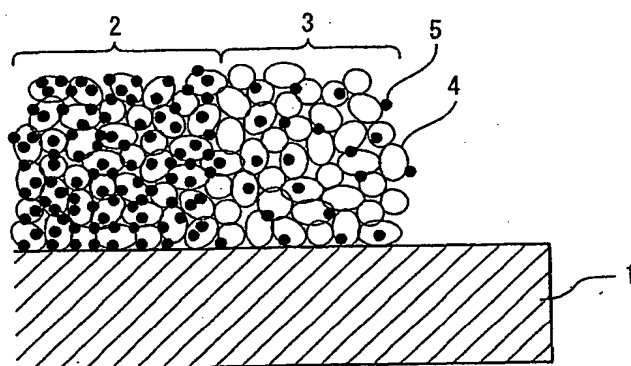
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(57) Abstract: A catalyst layer 2 is formed by  
conductive particles (4) carrying catalyst particles  
5, and a boundary layer (3) is disposed adjacent  
to the catalyst layer 2 and is positioned between  
a portion which is easily contacted with an oxy-  
gen gas and the catalyst layer. The boundary layer  
3 is formed by the conductive particles 4 carry-  
ing the catalyst particles 5 and the catalyst-carry-  
ing amount of conductive particles in the catalyst  
layer 2. Or a hydrophilic treatment is carried out  
to the conductive particles 4 of the boundary layer  
3 by a hydrophilic material, while the conductive  
particles 4 in the boundary layer 3 do not carry the  
catalyst particles 5.

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